



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Sr

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,425	09/29/2003	Tzu-Yun Yeh	1991014	6190
7590	06/30/2005			
Keith Kline PRO-TECHTOR INTERNATIONAL SERVICES 20775 Norada Cout Saratoga, CA 95070-3018			EXAMINER LEE, Y MY QUACH	
			ART UNIT 2875	PAPER NUMBER

DATE MAILED: 06/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/675,425	YEH, TZU-YUN	
	Examiner	Art Unit	
	Y Quach Lee	2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 8-11 is/are rejected.
- 7) ☒ Claim(s) 7 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2875

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1 to 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's present invention drawing figure 1 (prior art cited by Applicant) in view of Kim.

Drawing figure 1 discloses a portable lighting device such as a laser pointer comprising a laser generator such as a laser diode (11) for generating laser beams, a current limiting resistor for protecting the laser generator from damage caused by the current overload of the laser generator, and a power switch (13) for conducting power to the laser generator. However, Drawing figure 1 does not disclose an interface for external power connection connected to a power supply device to provide power to the laser generator.

Kim teaches a portable lighting device (10) having an interface (20) for external power connection such as an interface of Universal Serial Bus or an interface of IEEE 1394 or other computer ports, readable as an interface of PS/2 (column 1, lines 15 to 16 and column 2, lines 39 to 40) for connecting to a computer port to enable the lighting device to be powered by the computer's power supply (column 1, lines 50 to 52) so that the lighting device is readily available and useful to a portable or desktop computer's environment without the need of using a battery as a power source and consequently the lighting device is greatly simplified with less parts and minimizing weight.

It would have been obvious to one skilled in the art to provide the portable lighting device such as the laser pointer of Drawing figure 1 with an interfaces of universal Serial Bus, IEEE 1394 or PS/2, as shown by Kim, for connecting to a computer port to enable the lighting device to be powered by an external power source such as a computer's power supply so that the

Art Unit: 2875

laser pointer is readily available and useful to a portable or desktop computer's environment without the need of using a battery as a power source and consequently the lighting device is greatly simplified with less parts and minimizing weight.

4. Claims 1 to 6 and 8 to 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's present invention drawing figure 1 (prior art cited by Applicant) in view of Lin.

Drawing figure 1 discloses a portable lighting device such as a laser pointer comprising a laser generator such as a laser diode (11) for generating laser beams, a current limiting resistor for protecting the laser generator from damage caused by the current overload of the laser generator, a power switch (13) for conducting power to the laser generator, and a battery module (12) for supplying power to the laser generator. However, Drawing figure 1 does not disclose an interface for external power connection connected to a different power supply device to provide power to the laser generator.

Lin teaches a portable lighting device having an interface (50) for external power connection such as an interface of Universal Serial Bus or a plug readable as an interface of IEEE 1394 or an interface of PS/2 (paragraph 0010, lines 7 to 9 and paragraph 0034, lines 7 to 8) for connecting to a computer port or another power socket to enable the lighting device to be powered by the computer's power supply or other power socket (column 1, lines 50 to 52) so that different power sources, whether the battery of the lighting device or the computer's power supply or other power socket's power supply, can be selected by the user to facilitate the use of the lighting device under different environments.

It would have been obvious to one skilled in the art to provide the portable lighting device such as the laser pointer of Drawing figure 1 with an interfaces of universal Serial Bus, IEEE 1394 or PS/2, as shown by Lin, for connecting to a computer port or other power socket to enable the laser pointer to be powered by an external power source such as a computer's power supply or other power socket power supply, besides the battery of the lighting device, so that different power sources can be selected by the user to facilitate the use of the lighting device under different environments.

Art Unit: 2875

5. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion


6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Meyers is cited to show other pertinent laser generator with current resistor, switches and interface for external power connection to obtain external power source.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y Quach Lee whose telephone number is 571-272-2373. The examiner can normally be reached on Tuesday and Thursday from 8:30 am to 4:30 pm.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Customer Service whose telephone number is 571-272-2815.

Y. Q.
June 23, 2005


Y Quach Lee
Patent Examiner
Art Unit 2875